Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S496	40	(ocr (text NEAR recogni$6)) SAME correction SAME ((stor$4 maintain$4 retain$4 sav$4 preserv$4) NEAR2 (original$1 input$1 image$1 data))	USPAT	OR	OFF	2005/12/13 09:38
S495	184	(ocr (text NEAR recogni$6)) SAME correction AND ((stor$4 maintain$4 retain$4 sav$4 preserv$4) NEAR2 (original$1 input$1 image$1 data))	USPAT	OR	OFF	2005/12/13 09:38
S494	16	(ocr (text NEAR recogni$6)) SAME (user NEAR2 correction$1)	USPAT	OR	OFF	2005/12/13 09:38
S493	14	(ocr (text NEAR recogni$6)) SAME (user NEAR2 correction)	USPAT	OR	OFF	2005/12/13 09:38
S492	255	(ocr (text NEAR recogni$6)) SAME correction	USPAT	OR	OFF	2005/12/13 09:38
S491	1	document SAME (maintain NEAR2 image) AND (correspond$6 NEAR2 text)	USPAT	OR	OFF	2005/12/13 09:38
S490	0	document SAME (maintain NEAR2 image) SAME (correspond$6 NEAR2 text)	USPAT	OR	OFF	2005/12/13 09:38
S489	117	document SAME (maintain NEAR2 image)	USPAT	OR	OFF	2005/12/13 09:38
S488	13	("4674065" | "4773039" | "4864502" | "5206949" | "5359673" | "5434929" | "5440481" | "5541836" | "5625711" | "5625721" | "5724457" | "5787197" | "5806068").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/13 09:38
S487	32	document$1 SAME (correspond$6 NEAR3 text NEAR3 image$1)	USPAT	OR	OFF	2005/12/13 09:38
S486	39	document$1 SAME (link$3 NEAR3 text NEAR3 image$1)AND ((preserv$4 sav$4 retain$4) NEAR2 (original$1 data source$1))	USPAT	OR	OFF	2005/12/13 09:38
S485	123	document$1 SAME (link$3 NEAR3 text NEAR3 image$1)	USPAT	OR	OFF	2005/12/13 09:38
S484	40	document$1 SAME (link$3 NEAR3 (text AND image$1)) AND ((preserv$4 sav$4 retain$4) NEAR2 (original$1 data source$1))	USPAT	OR	OFF	2005/12/13 09:38
S483	2	document$1 SAME (link$3 NEAR3 (text AND image$1)) SAME (ocr recogni$6)	USPAT	OR	OFF	2005/12/13 09:38

S482	154	document$1 SAME (link$3 NEAR3 (text AND image$1))	USPAT	OR	OFF	2005/12/13 09:38
S481	15	(link$3 NEAR3 (document AND text)) SAME (ocr recogni$6)	USPAT	OR	OFF	2005/12/13 09:38
S480	7	(link$3 NEAR3 (document AND text)) SAME (ocr recognition)	USPAT	OR	OFF	2005/12/13 09:38
S479	658	link$3 NEAR3 (document AND text)	USPAT	OR	OFF	2005/12/13 09:38
S478	33	(stored NEAR (image$1 handwrit$1 source)) SAME index SAME (ocr recogni$6 extract$6) SAME retriev$5	USPAT	OR	OFF	2005/12/13 09:38
S477	91	(stored NEAR (image$1 handwrit$1 source)) SAME index SAME (ocr recogni$6 extract$6)	USPAT	OR	OFF	2005/12/13 09:38
S476	736	(stored NEAR (image$1 handwrit$1 source)) SAME index	USPAT	OR	OFF	2005/12/13 09:38
S475	11	(stored NEAR (image$1 handwrit$1 source)) SAME (extract$6 NEAR text)	USPAT	OR	OFF	2005/12/13 09:38
S474	0	(stored NEAR (image$1 handwrit$1 source)) SAME text SAME (on$1demand "on demand")	USPAT	OR	OFF	2005/12/13 09:38
S473	1047	(stored NEAR (image$1 handwrit$1 source)) SAME text	USPAT	OR	OFF	2005/12/13 09:38
S472	31678	stored NEAR (image$1 handwrit$1 source)	USPAT	OR	OFF	2005/12/13 09:38
S471	2	inbit.as.	USPAT	OR	OFF	2005/12/13 09:38
S470	7	("5544255" | "5732212" | "6091835" | "6249283" | "6253238" | "6449739" | "6510461").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/13 09:38
S469	21	ocr AND ((preserv$4 save$4 retain$4) NEAR2 source)	US-PGPUB; USPAT	OR	OFF	2005/12/13 09:38
S468	10	ocr AND ((preserv$4 save$4 retain$4) NEAR2 source)	USPAT	OR	OFF	2005/12/13 09:38
S467	0	ocr SAME ((preserv$4 save$4 retain$4) NEAR2 source)	USPAT	OR	OFF	2005/12/13 09:38
S466	45	ocr AND (on$1demand "on demand") AND source	USPAT	OR	OFF	2005/12/13 09:38
S465	2	ocr AND ((on$1demand "on demand") SAME (source original))	USPAT	OR	OFF	2005/12/13 09:38
S464	60	ocr AND (on$1demand "on demand")	USPAT	OR	OFF	2005/12/13 09:38
S463	0	ocr SAME (on$1demand "on demand")	USPAT	OR	OFF	2005/12/13 09:38

S462	60	ocr SAME ((preserv$4 sav$3 retain$3) NEAR2 (image original data handwrit$6))	USPAT	OR	OFF	2005/12/13 09:38
S461	56	ocr SAME ((preserv$4 sav$3 retain$3) NEAR2 (image original data))	USPAT	OR	OFF	2005/12/13 09:38
S460	32	ocr SAME ((preserv$4 sav$3 retain$3) NEAR2 (image original))	USPAT	OR	OFF	2005/12/13 09:38
S459	324	ocr AND ((preserv$4 sav$3 retain$3) NEAR2 (image original))	USPAT	OR	OFF	2005/12/13 09:38
S458	67	ocr AND (preserv$4 NEAR2 data)	USPAT	OR	OFF	2005/12/13 09:38
S457	4	ocr AND (preserv$4 NEAR2 handwrit$6)	USPAT	OR	OFF	2005/12/13 09:38
S456	594	ocr AND preserv$4	USPAT	OR	OFF	2005/12/13 09:38
S455	6	("4731861" | "5216725" | "5325444" | "5491760" | "5625711" | "6104500").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/13 09:38
S454	11	ocr AND (preserv$4 NEAR (original raw input$4))	USPAT	OR	OFF	2005/12/13 09:38
S453	9	ocr AND (preserv$4 NEAR original)	USPAT	OR	OFF	2005/12/13 09:38
S452	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S451	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S450	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S449	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S448	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S447	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S446	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S445	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S444	12	((document$1 NEAR2 tree$1) (structured NEAR2 document$1)) AND ((reserv$4 select$4) NEAR2 node$1) AND ((edit$4 modif$8) NEAR2 text)	USPAT	OR	OFF	2005/12/13 09:38

S443	88	((document$1 NEAR2 tree$1) (structured NEAR2 document$1)) AND ((reserv$4 select$4) NEAR2 node$1)	USPAT	OR	OFF	2005/12/13 09:38
S442	11	((modif$4 edit$4 access$4) SAME (text NEAR2 node$1)) AND (document$1 NEAR2 tree$1)	USPAT	OR	OFF	2005/12/13 09:38
S441	97	(modif$4 edit$4 access$4) SAME (text NEAR2 node$1)	USPAT	OR	OFF	2005/12/13 09:38
S440	19	(modif$4 edit$4 access$4) NEAR3 (text NEAR2 node$1)	USPAT	OR	OFF	2005/12/13 09:38
S439	2	((modif$4 edit$4 access$4) NEAR2 node$1) SAME ((structured ADJ document$1) (document NEAR tree) (document$1 NEAR3 (tree NEAR2 structure)))	USPAT	OR	OFF	2005/12/13 09:38
S438	22	derose.in. AND document$1	USPAT	OR	OFF	2005/12/13 09:38
S437	56	multimedia SAME annotation SAME text	USPAT	OR	OFF	2005/12/13 09:38
S436	18	multimedia ADJ2 annotation	USPAT	OR	OFF	2005/12/13 09:38
S435	6	("4615002" | "5175855" | "5285387" | "5369778" | "5371675" | "5375241").PN.	USPAT	OR	OFF	2005/12/13 09:38
S434	5	"5659769".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S433	6	text ADJ2 services ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S432	18	(text ADJ2 manager) AND (input ADJ2 devices)	USPAT	OR	OFF	2005/12/13 09:38
S431	6	"5946499".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S430	2	text ADJ2 service ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S429	6	"5511193".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S428	11	("5243149" | "5420943" | "5500920" | "5511193" | "5517578" | "5546538" | "5625814" | "5649060" | "5659769" | "5666139" | "5687254").PN.	USPAT	OR	OFF	2005/12/13 09:38

S427	14	("4559598" | "5040113" | "5063600" | "5170348" | "5329609" | "5392447" | "5479536" | "5574482" | "5614926" | "5666139" | "5677710" | "5724457" | "5838302" | "5917476").PN.	USPAT	OR	OFF	2005/12/13 09:38
S426	19	plurality NEAR5 text NEAR5 input NEAR5 device	USPAT	OR	OFF	2005/12/13 09:38
S425	78	text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38
S424	10	("4513391" | "4651300" | "4868765" | "5272628" | "5303149" | "5560009" | "5701471" | "5859636" | "5890165" | "5956726").PN.	USPAT	OR	OFF	2005/12/13 09:38
S423	6	("5946499").URPN.	USPAT	OR	OFF	2005/12/13 09:38
S422	56	multimedia SAME annotation SAME text	USPAT	OR	OFF	2005/12/13 09:38
S421	18	multimedia ADJ2 annotation	USPAT	OR	OFF	2005/12/13 09:38
S420	6	("4615002" | "5175855" | "5285387" | "5369778" | "5371675" | "5375241").PN.	USPAT	OR	OFF	2005/12/13 09:38
S419	5	"5659769".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S418	6	text ADJ2 services ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S417	18	(text ADJ2 manager) AND (input ADJ2 devices)	USPAT	OR	OFF	2005/12/13 09:38
S416	6	"5946499".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S415	2	text ADJ2 service ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S414	6	"5511193".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S413	11	("5243149" | "5420943" | "5500920" | "5511193" | "5517578" | "5546538" | "5625814" | "5649060" | "5659769" | "5666139" | "5687254").PN.	USPAT	OR	OFF	2005/12/13 09:38

S412	14	("4559598" | "5040113" | "5063600" | "5170348" | "5329609" | "5392447" | "5479536" | "5574482" | "5614926" | "5666139" | "5677710" | "5724457" | "5838302" | "5917476").PN.	USPAT	OR	OFF	2005/12/13 09:38
S411	19	plurality NEAR5 text NEAR5 input NEAR5 device	USPAT	OR	OFF	2005/12/13 09:38
S410	78	text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38
S409	10	("4513391" | "4651300" | "4868765" | "5272628" | "5303149" | "5560009" | "5701471" | "5859636" | "5890165" | "5956726").PN.	USPAT	OR	OFF	2005/12/13 09:38
S408	56	multimedia SAME annotation SAME text	USPAT	OR	OFF	2005/12/13 09:38
S407	18	multimedia ADJ2 annotation	USPAT	OR	OFF	2005/12/13 09:38
S406	6	("4615002" | "5175855" | "5285387" | "5369778" | "5371675" | "5375241").PN.	USPAT	OR	OFF	2005/12/13 09:38
S405	5	"5659769".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S404	6	text ADJ2 services ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S403	18	(text ADJ2 manager) AND (input ADJ2 devices)	USPAT	OR	OFF	2005/12/13 09:38
S402	6	"5946499".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S401	2	text ADJ2 service ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S400	6	"5511193".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S399	11	("5243149" | "5420943" | "5500920" | "5511193" | "5517578" | "5546538" | "5625814" | "5649060" | "5659769" | "5666139" | "5687254").PN.	USPAT	OR	OFF	2005/12/13 09:38
S398	14	("4559598" | "5040113" | "5063600" | "5170348" | "5329609" | "5392447" | "5479536" | "5574482" | "5614926" | "5666139" | "5677710" | "5724457" | "5838302" | "5917476").PN.	USPAT	OR	OFF	2005/12/13 09:38

S397	19	plurality NEAR5 text NEAR5 input NEAR5 device	USPAT	OR	OFF	2005/12/13 09:38
S396	78	text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38
S395	10	("4513391" | "4651300" | "4868765" | "5272628" | "5303149" | "5560009" | "5701471" | "5859636" | "5890165" | "5956726").PN.	USPAT	OR	OFF	2005/12/13 09:38
S394	6	("5946499").URPN.	USPAT	OR	OFF	2005/12/13 09:38
S393	56	multimedia SAME annotation SAME text	USPAT	OR	OFF	2005/12/13 09:38
S392	18	multimedia ADJ2 annotation	USPAT	OR	OFF	2005/12/13 09:38
S391	6	("4615002" | "5175855" | "5285387" | "5369778" | "5371675" | "5375241").PN.	USPAT	OR	OFF	2005/12/13 09:38
S390	5	"5659769".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S389	6	text ADJ2 services ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S388	18	(text ADJ2 manager) AND (input ADJ2 devices)	USPAT	OR	OFF	2005/12/13 09:38
S387	6	"5946499".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S386	2	text ADJ2 service ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S385	6	"5511193".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S384	11	("5243149" | "5420943" | "5500920" | "5511193" | "5517578" | "5546538" | "5625814" | "5649060" | "5659769" | "5666139" | "5687254").PN.	USPAT	OR	OFF	2005/12/13 09:38
S383	14	("4559598" | "5040113" | "5063600" | "5170348" | "5329609" | "5392447" | "5479536" | "5574482" | "5614926" | "5666139" | "5677710" | "5724457" | "5838302" | "5917476").PN.	USPAT	OR	OFF	2005/12/13 09:38
S382	19	plurality NEAR5 text NEAR5 input NEAR5 device	USPAT	OR	OFF	2005/12/13 09:38
S381	78	text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38

S380	10	("4513391" | "4651300" | "4868765" | "5272628" | "5303149" | "5560009" | "5701471" | "5859636" | "5890165" | "5956726").PN.	USPAT	OR	OFF	2005/12/13 09:38
S379	1	(multimedia ADJ2 annotation) SAME text	USPAT	OR	OFF	2005/12/13 09:38
S378	1	(multimedia ADJ2 annotation) SAME text	USPAT	OR	OFF	2005/12/13 09:38
S377	1	(multimedia ADJ2 annotation) SAME text	USPAT	OR	OFF	2005/12/13 09:38
S376	1	(multimedia ADJ2 annotation) SAME text	USPAT	OR	OFF	2005/12/13 09:38
S375	2	((modif$4 edit$4) NEAR2 node$1) SAME ((structured ADJ document$1) (document NEAR tree) (document$1 NEAR3 (tree NEAR2 structure)))	USPAT	OR	OFF	2005/12/13 09:38
S374	1	(text NEAR5 input NEAR5 interface) SAME ((plurality variety several multiple) NEAR2 (applications programs))	USPAT	OR	OFF	2005/12/13 09:38
S373	307	text NEAR5 input NEAR5 interface	USPAT	OR	OFF	2005/12/13 09:38
S372	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S371	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S370	182	(text ADJ2 manager) AND application	USPAT	OR	OFF	2005/12/13 09:38
S369	195	text ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S368	3	common NEAR5 text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38
S367	362	text NEAR5 input$4 NEAR5 interfac$4	USPAT	OR	OFF	2005/12/13 09:38
S366	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S365	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S364	182	(text ADJ2 manager) AND application	USPAT	OR	OFF	2005/12/13 09:38
S363	195	text ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S362	3	common NEAR5 text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38

S361	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S360	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S359	182	(text ADJ2 manager) AND application	USPAT	OR	OFF	2005/12/13 09:38
S358	195	text ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S357	3	common NEAR5 text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38
S356	362	text NEAR5 input$4 NEAR5 interfac$4	USPAT	OR	OFF	2005/12/13 09:38
S355	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S354	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S353	182	(text ADJ2 manager) AND application	USPAT	OR	OFF	2005/12/13 09:38
S352	195	text ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S351	3	common NEAR5 text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38
S350	12	((document$1 NEAR2 tree$1) (structured NEAR2 document$1)) AND ((reserv$4 select$4) NEAR2 node$1) AND ((edit$4 modif$8) NEAR2 text)	USPAT	OR	OFF	2005/12/13 09:38
S349	88	((document$1 NEAR2 tree$1) (structured NEAR2 document$1)) AND ((reserv$4 select$4) NEAR2 node$1)	USPAT	OR	OFF	2005/12/13 09:38
S348	11	((modif$4 edit$4 access$4) SAME (text NEAR2 node$1)) AND (document$1 NEAR2 tree$1)	USPAT	OR	OFF	2005/12/13 09:38
S347	97	(modif$4 edit$4 access$4) SAME (text NEAR2 node$1)	USPAT	OR	OFF	2005/12/13 09:38
S346	19	(modif$4 edit$4 access$4) NEAR3 (text NEAR2 node$1)	USPAT	OR	OFF	2005/12/13 09:38
S345	2	((modif$4 edit$4 access$4) NEAR2 node$1) SAME ((structured ADJ document$1) (document NEAR tree) (document$1 NEAR3 (tree NEAR2 structure)))	USPAT	OR	OFF	2005/12/13 09:38
S344	2	((modif$4 edit$4) NEAR2 node$1) SAME ((structured ADJ document$1) (document NEAR tree) (document$1 NEAR3 (tree NEAR2 structure)))	USPAT	OR	OFF	2005/12/13 09:38

S343	22	derose.in. AND document$1	USPAT	OR	OFF	2005/12/13 09:38
S342	1	(text NEAR5 input NEAR5 interface) SAME ((plurality variety several multiple) NEAR2 (applications programs))	USPAT	OR	OFF	2005/12/13 09:38
S341	307	text NEAR5 input NEAR5 interface	USPAT	OR	OFF	2005/12/13 09:38
S340	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S339	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S338	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S337	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S336	56	multimedia SAME annotation SAME text	USPAT	OR	OFF	2005/12/13 09:38
S335	18	multimedia ADJ2 annotation	USPAT	OR	OFF	2005/12/13 09:38
S334	6	("4615002" | "5175855" | "5285387" | "5369778" | "5371675" | "5375241").PN.	USPAT	OR	OFF	2005/12/13 09:38
S333	5	"5659769".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S332	6	text ADJ2 services ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S331	18	(text ADJ2 manager) AND (input ADJ2 devices)	USPAT	OR	OFF	2005/12/13 09:38
S330	6	"5946499".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S329	2	text ADJ2 service ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S328	6	"5511193".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S327	11	("5243149" | "5420943" | "5500920" | "5511193" | "5517578" | "5546538" | "5625814" | "5649060" | "5659769" | "5666139" | "5687254").PN.	USPAT	OR	OFF	2005/12/13 09:38
S326	14	("4559598" | "5040113" | "5063600" | "5170348" | "5329609" | "5392447" | "5479536" | "5574482" | "5614926" | "5666139" | "5677710" | "5724457" | "5838302" | "5917476").PN.	USPAT	OR	OFF	2005/12/13 09:38

S325	19	plurality NEAR5 text NEAR5 input NEAR5 device	USPAT	OR	OFF	2005/12/13 09:38
S324	78	text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38
S323	10	("4513391" | "4651300" | "4868765" | "5272628" | "5303149" | "5560009" | "5701471" | "5859636" | "5890165" | "5956726").PN.	USPAT	OR	OFF	2005/12/13 09:38
S322	6	("5946499").URPN.	USPAT	OR	OFF	2005/12/13 09:38
S321	56	multimedia SAME annotation SAME text	USPAT	OR	OFF	2005/12/13 09:38
S320	18	multimedia ADJ2 annotation	USPAT	OR	OFF	2005/12/13 09:38
S319	6	("4615002" | "5175855" | "5285387" | "5369778" | "5371675" | "5375241").PN.	USPAT	OR	OFF	2005/12/13 09:38
S318	5	"5659769".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S317	6	text ADJ2 services ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S316	18	(text ADJ2 manager) AND (input ADJ2 devices)	USPAT	OR	OFF	2005/12/13 09:38
S315	6	"5946499".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S314	2	text ADJ2 service ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S313	6	"5511193".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S312	11	("5243149" | "5420943" | "5500920" | "5511193" | "5517578" | "5546538" | "5625814" | "5649060" | "5659769" | "5666139" | "5687254").PN.	USPAT	OR	OFF	2005/12/13 09:38
S311	14	("4559598" | "5040113" | "5063600" | "5170348" | "5329609" | "5392447" | "5479536" | "5574482" | "5614926" | "5666139" | "5677710" | "5724457" | "5838302" | "5917476").PN.	USPAT	OR	OFF	2005/12/13 09:38
S310	19	plurality NEAR5 text NEAR5 input NEAR5 device	USPAT	OR	OFF	2005/12/13 09:38
S309	78	text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38

S308	10	("4513391" | "4651300" | "4868765" | "5272628" | "5303149" | "5560009" | "5701471" | "5859636" | "5890165" | "5956726").PN.	USPAT	OR	OFF	2005/12/13 09:38
S307	1	(multimedia ADJ2 annotation) SAME text	USPAT	OR	OFF	2005/12/13 09:38
S306	1	(multimedia ADJ2 annotation) SAME text	USPAT	OR	OFF	2005/12/13 09:38
S305	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S304	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S303	182	(text ADJ2 manager) AND application	USPAT	OR	OFF	2005/12/13 09:38
S302	195	text ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S301	3	common NEAR5 text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38
S300	362	text NEAR5 input$4 NEAR5 interfac$4	USPAT	OR	OFF	2005/12/13 09:38
S299	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S298	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S297	182	(text ADJ2 manager) AND application	USPAT	OR	OFF	2005/12/13 09:38
S296	195	text ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S295	3	common NEAR5 text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38
S294	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S293	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S292	56	multimedia SAME annotation SAME text	USPAT	OR	OFF	2005/12/13 09:38
S291	18	multimedia ADJ2 annotation	USPAT	OR	OFF	2005/12/13 09:38
S290	6	("4615002" | "5175855" | "5285387" | "5369778" | "5371675" | "5375241").PN.	USPAT	OR	OFF	2005/12/13 09:38
S289	5	"5659769".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S288	6	text ADJ2 services ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38

S287	18	(text ADJ2 manager) AND (input ADJ2 devices)	USPAT	OR	OFF	2005/12/13 09:38
S286	6	"5946499".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S285	2	text ADJ2 service ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S284	6	"5511193".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S283	11	("5243149" | "5420943" | "5500920" | "5511193" | "5517578" | "5546538" | "5625814" | "5649060" | "5659769" | "5666139" | "5687254").PN.	USPAT	OR	OFF	2005/12/13 09:38
S282	14	("4559598" | "5040113" | "5063600" | "5170348" | "5329609" | "5392447" | "5479536" | "5574482" | "5614926" | "5666139" | "5677710" | "5724457" | "5838302" | "5917476").PN.	USPAT	OR	OFF	2005/12/13 09:38
S281	19	plurality NEAR5 text NEAR5 input NEAR5 device	USPAT	OR	OFF	2005/12/13 09:38
S280	78	text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38
S279	10	("4513391" | "4651300" | "4868765" | "5272628" | "5303149" | "5560009" | "5701471" | "5859636" | "5890165" | "5956726").PN.	USPAT	OR	OFF	2005/12/13 09:38
S278	1	(multimedia ADJ2 annotation) SAME text	USPAT	OR	OFF	2005/12/13 09:38
S277	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S276	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S275	182	(text ADJ2 manager) AND application	USPAT	OR	OFF	2005/12/13 09:38
S274	195	text ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:38
S273	3	common NEAR5 text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:38
S272	362	text NEAR5 input$4 NEAR5 interfac$4	USPAT	OR	OFF	2005/12/13 09:38
S271	6	("5946499").URPN.	USPAT	OR	OFF	2005/12/13 09:38
S270	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38

S269	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:38
S268	56	multimedia SAME annotation SAME text	USPAT	OR	OFF	2005/12/13 09:38
S267	18	multimedia ADJ2 annotation	USPAT	OR	OFF	2005/12/13 09:38
S266	1	(multimedia ADJ2 annotation) SAME text	USPAT	OR	OFF	2005/12/13 09:38
S265	6	("4615002" | "5175855" | "5285387" | "5369778" | "5371675" | "5375241").PN.	USPAT	OR	OFF	2005/12/13 09:38
S264	5	"5659769".URPN.	USPAT	OR	OFF	2005/12/13 09:38
S263	578	(715/530).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:37
S262	6	text ADJ2 services ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:37
S261	18	(text ADJ2 manager) AND (input ADJ2 devices)	USPAT	OR	OFF	2005/12/13 09:37
S260	182	(text ADJ2 manager) AND application	USPAT	OR	OFF	2005/12/13 09:37
S259	195	text ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:37
S258	6	"5946499".URPN.	USPAT	OR	OFF	2005/12/13 09:37
S257	2	text ADJ2 service ADJ2 manager	USPAT	OR	OFF	2005/12/13 09:37
S256	6	"5511193".URPN.	USPAT	OR	OFF	2005/12/13 09:37
S255	11	("5243149" | "5420943" | "5500920" | "5511193" | "5517578" | "5546538" | "5625814" | "5649060" | "5659769" | "5666139" | "5687254").PN.	USPAT	OR	OFF	2005/12/13 09:37
S254	14	("4559598" | "5040113" | "5063600" | "5170348" | "5329609" | "5392447" | "5479536" | "5574482" | "5614926" | "5666139" | "5677710" | "5724457" | "5838302" | "5917476").PN.	USPAT	OR	OFF	2005/12/13 09:37
S253	19	plurality NEAR5 text NEAR5 input NEAR5 device	USPAT	OR	OFF	2005/12/13 09:37
S252	78	text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:37

S251	3	common NEAR5 text NEAR5 framework	USPAT	OR	OFF	2005/12/13 09:37
S250	10	("4513391" | "4651300" | "4868765" | "5272628" | "5303149" | "5560009" | "5701471" | "5859636" | "5890165" | "5956726").PN.	USPAT	OR	OFF	2005/12/13 09:37
S249	536	(715/531).CCLS.	USPAT; USOCR	OR	OFF	2005/12/13 09:37

Terms used **ocr preserve original** Found **16,184** of **167,655**

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1 Japanese OCR error correction using character shape similarity and statistical language model
Masaaki Nagata
August 1998 **Proceedings of the 17th international conference on Computational linguistics - Volume 2 , Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 2**
Publisher: Association for Computational Linguistics , Association for Computational Linguistics
Full text available: pdf(686.18 KB) Additional Information: full citation, abstract, references

We present a novel OCR error correction method for languages without word delimiters that have a large character set, such as Japanese and Chinese. It consists of a statistical OCR model, an approximate word matching method using character shape similarity, and a word segmentation algorithm using a statistical language model. By using a statistical OCR model and character shape similarity, the proposed error corrector outperforms the previously published method. When the baseline character recog ...

2 Text categorization for multi-page documents: a hybrid naive Bayes HMM approach
Paolo Frasconi, Giovanni Soda, Alessandro Vullo
January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**
Publisher: ACM Press
Full text available: pdf(280.05 KB) Additional Information: full citation, abstract, references, index terms

Text categorization is typically formulated as a concept learning prob lem where each instance is a single isolated document. In this paper we are interested in a more general formulation where documents are organized as page sequences, as naturally occurring in digital libraries of scanned books and magazines. We describe a method for classifying pages of sequential OCR text documents into one of several assigned categories and suggest that taking into account contextual information provid ...

Keywords: hidden Markov models, multi-page documents, naive Bayes classifier, text categorization

3 Applying probabilistic term weighting to OCR text in the case of a large alphabetic library catalogue
Elke Mittendorf, Peter Schäuble, Páraic Sheridan
July 1995 **Proceedings of the 18th annual international ACM SIGIR conference on**

Terms used **ocr original** Found **38,696** of **167,655**

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1 Usable OCR: what are the minimum performance requirements?
William H. Cushman, Purnendu S. Ojha, Cathleen M. Daniels
March 1990 **Proceedings of the SIGCHI conference on Human factors in computing systems: Empowering people**
Publisher: ACM Press
Full text available: pdf(786.92 KB) Additional Information: full citation, abstract, references, citings, index terms

Forty-two subjects used a microcomputer and word processing software to type and proofread a 450-word document and then to correct errors in a number of other documents (of the same length) that had been created by OCR simulation [i.e., the documents looked like those typically obtained when using an optical character recognition (OCR) device for text entry]. The "OCR documents" contained both recognition errors (substitution errors, insertion errors, and deletion errors) and un ...

2 Evaluation of model-based retrieval effectiveness with OCR text
Kazem Taghva, Julie Borsack, Allen Condit
January 1996 **ACM Transactions on Information Systems (TOIS)**, Volume 14 Issue 1
Publisher: ACM Press
Full text available: pdf(2.02 MB) Additional Information: full citation, abstract, references, citings, index terms, review

We give a comprehensive report on our experiments with retrieval from OCR-generated text using systems based on standard models of retrieval. More specifically, we show that average precision and recall is not affected by OCR errors across systems for several collections. The collections used in these experiments include both actual OCR-generated text and standard information retrieval collections corrupted through the simulation of OCR errors. Both the actual and simulation experiments inc ...

Keywords: error correction, feedback, optical character recognition, ranking algorithms

3 A generative probabilistic OCR model for NLP applications
Okan Kolak, William Byrne, Philip Resnik
May 2003 **Proceedings of the 2003 Conference of the North American Chapter of the Association for Computational Linguistics on Human Language Technology - Volume 1 NAACL '03**
Publisher: Association for Computational Linguistics

Terms used **ocr user correction** Found **36,218** of **167,655**

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1 Usable OCR: what are the minimum performance requirements?
William H. Cushman, Purnendu S. Ojha, Cathleen M. Daniels
March 1990 **Proceedings of the SIGCHI conference on Human factors in computing systems: Empowering people**
Publisher: ACM Press
Full text available: pdf(786.92 KB) Additional Information: full citation, abstract, references, citings, index terms

Forty-two subjects used a microcomputer and word processing software to type and proofread a 450-word document and then to correct errors in a number of other documents (of the same length) that had been created by OCR simulation [i.e., the documents looked like those typically obtained when using an optical character recognition (OCR) device for text entry]. The "OCR documents" contained both recognition errors (substitution errors, insertion errors, and deletion errors) and un ...

2 Adaptive post-processing of OCR text via knowledge acquisition
Lon-Mu Liu, Yair M. Babad, Wei Sun, Ki-Kan Chan
April 1991 **Proceedings of the 19th annual conference on Computer Science**
Publisher: ACM Press
Full text available: pdf(1.12 MB) Additional Information: full citation, references

Keywords: OCR environment, OCR post-processing, adaptive error correction, knowledge acquisition, machine learning, optical character recognition

3 Technique for automatically correcting words in text
Karen Kukich
December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4
Publisher: ACM Press
Full text available: pdf(6.23 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Research aimed at correcting words in text has focused on three progressively more difficult problems:(1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent work correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of

Terms used **scan preserve original** Found **21,950** of **167,655**

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Best 200 shown Relevance scale

21 Fast address lookups using controlled prefix expansion

V. Srinivasan, G. Varghese
February 1999 **ACM Transactions on Computer Systems (TOCS)**, Volume 17 Issue 1
Publisher: ACM Press
Full text available: pdf(258.60 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Internet (IP) address lookup is a major bottleneck in high-performance routers. IP address lookup is challenging because it requires a longest matching prefix lookup. It is compounded by increasing routing table sizes, increased traffic, higher-speed links, and the migration to 128-bit IPv6 addresses. We describe how IP lookups and updates can be made faster using a set of of transformation techniques. Our main technique, controlled prefix expansion, transf ...

Keywords: Internet address lookup, binary search on levels, controlled prefix expansion, expanded tries, longest-prefix match, multibit tries, router preformance

22 Session 2A: applications and systems: Scanning and rendering scene tunnels for virtual city traversing

Jiang Yu Zheng, Yu Zhou, Min Shi
November 2004 **Proceedings of the ACM symposium on Virtual reality software and technology VRST '04**
Publisher: ACM Press
Full text available: pdf(1.49 MB) Additional Information: full citation, abstract, references, index terms

This paper proposes a visual representation named scene tunnel to capture and visualize urban scenes for Internet based virtual city traversing. We scan cityscapes by using multiple cameras on a vehicle that moves along a street, and generate a real scene archive more complete than a route panorama. The scene tunnel can cover high architectures and various object aspects, and its data size is much less than video. It is suitable for image transmission and rendering over the Internet. The scene t ...

Keywords: internet media, navigation, route panorama, scene representation, scene tunnel, visualization

23 Extraction of Topologically Simple Isosurfaces from Volume Datasets

Terms used **scan user correction** Found **41,843** of **167,655**

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1 Satchel: providing access to any document, any time, anywhere

Mik Lamming, Marge Eldridge, Mike Flynn, Chris Jones, David Pendlebury

September 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 7 Issue 3

Publisher: ACM Press

Full text available: pdf(591.29 KB) Additional Information: full citation, abstract, references, citings, index terms

Current solutions for providing access to electronic documents while away from the office do not meet the special needs of mobile document workers. We describe "Satchel," a system that is designed specifically to support the distinctive features of mobile document work. Satchel is designed to meet the following five high-level design goals (1) easy access to document services; (2) timely document access; (3) streamlined user interface; (4) ubiquity; and (5)compliance with securi ...

Keywords: document access, document appliance, document processing, information appliance, mobile computing, mobile work

2 Designing mediation for context-aware applications

Anind K. Dey, Jennifer Mankoff

March 2005 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 12 Issue 1

Publisher: ACM Press

Full text available: pdf(461.90 KB) Additional Information: full citation, abstract, references, index terms

Many context-aware services make the assumption that the context they use is completely accurate. However, in reality, both sensed and interpreted context is often ambiguous. A challenge facing the development of realistic and deployable context-aware services, therefore, is the ability to handle ambiguous context. Although some of this ambiguity may be resolved using automatic techniques, we argue that correct handling of ambiguous context will often need to involve the user. We use the term me ...

Keywords: Context-aware computing, ambiguity, aware environments, error handling, mediation, ubiquitous computing

3 Skip and scan: cleaning up telephone interface

Paul Resnick, Robert A. Virzi

Terms used **text input correction** Found **50,462** of **167,655**

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1 Special issue on ill-formed input: The NOMAD system: expectation-based detection and correction of errors during understanding of syntactically and semantically ill-formed text
Richard H. Granger
July 1983 **Computational Linguistics**, Volume 9 Issue 3-4
Publisher: MIT Press
Full text available: pdf(916.25 KB) Publisher Site
Additional Information: full citation, abstract, references, citings

Most large text-understanding systems have been designed under the assumption that the input text will be in reasonably "neat" form (for example, newspaper stories and other edited texts). However, a great deal of natural language text (for example, memos, messages, rough drafts, conversation transcripts, etc.) have features that differ significantly from "neat" texts, posing special problems for readers, such as misspelled words, missing words, poor syntactic construction, unclear or ambiguous ...

2 Input interaction: Metrics for text entry research: an evaluation of MSD and KSPC, and a new unified error metric
R. William Soukoreff, I. Scott MacKenzie
April 2003 **Proceedings of the SIGCHI conference on Human factors in computing systems**
Publisher: ACM Press
Full text available: pdf(549.73 KB)
Additional Information: full citation, abstract, references, citings, index terms

We describe and identify shortcomings in two statistics recently introduced to measure accuracy in text entry evaluations: the minimum string distance (MSD) error rate and keystrokes per character (KSPC). To overcome the weaknesses, a new framework for error analysis is developed and demonstrated. It combines the analysis of the presented text, input stream (keystrokes), and transcribed text. New statistics include a unified total error rate, combining two constituent error rates: the corrected ...

3 Technique for automatically correcting words in text
Karen Kukich
December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4
Publisher: ACM Press
Full text available: pdf(6.23 MB)
Additional Information: full citation, abstract, references, citings, index